

Table 1: Significance table.

	Events _{afterαlphatαndPFSLcuts}	Events _{afterαlphatαnd$S$$L$cuts}	Events _{afterαlphatr_endPFSLcuts}	Events _{afterαlphatr_end$S$$L$cuts}
QCD _{Pt15}	4801 +- 4801	9602 +- 6789	4801 +- 4801	9602 +- 6789
QCD _{Pt30}	387.2 +- 387.2	387.2 +- 387.2	387.2 +- 387.2	387.2 +- 387.2
QCD _{Pt80}	67.95 +- 25.68	135.9 +- 36.32	67.95 +- 25.68	126.2 +- 35
QCD _{Pt170}	23.48 +- 2.532	12.56 +- 1.852	21.84 +- 2.442	10.92 +- 1.727
QCD _{Pt300}	2.694 +- 0.1868	0.285 +- 0.06076	2.409 +- 0.1767	0.2202 +- 0.05341
QCD _{Pt470}	0.5698 +- 0.028	0.002753 +- 0.001946	0.5037 +- 0.02633	0.002753 +- 0.001946
QCD _{Pt800}	0.0344 +- 0.00108	0 +- 0	0.03012 +- 0.001011	0 +- 0
QCD _{Pt1400}	0.0003132 +- 1.002e-05	0 +- 0	0.0002821 +- 9.509e-06	0 +- 0
TTbar _{temp}	66.29 +- 0.5046	62.59 +- 0.4903	59.49 +- 0.478	54.78 +- 0.4586
WJets _{temp}	203.7 +- 4.069	271.8 +- 4.699	197.3 +- 4.004	266.9 +- 4.657
ZJets _{temp}	3.969 +- 0.5452	4.793 +- 0.5991	3.969 +- 0.5452	4.868 +- 0.6038
ww _{pat$_1$}	4.54 +- 0.1871	5.095 +- 0.1982	4.417 +- 0.1845	4.948 +- 0.1953
wz _{pat$_1$}	2.395 +- 0.0849	2.913 +- 0.09363	2.35 +- 0.0841	2.829 +- 0.09227
zz _{pat$_1$}	1.084 +- 0.03298	1.498 +- 0.03878	1.056 +- 0.03255	1.451 +- 0.03816
LM9p _{temp}	0.9234 +- 0.01552	1.109 +- 0.01702	0.8417 +- 0.01482	1.019 +- 0.01631
Significancy	0.01238	0.01083	0.0113	0.009962
QCD Significancy	0.0127	0.01102	0.01158	0.01013